

Covered Electronic Waste Recycling Program
Background and Summary of Program Costs and Revenue Need Considerations

The Electronic Waste Recycling Act of 2003 (Act), as amended, established a comprehensive program to finance the end-of-life management of certain (covered) electronic devices. The program is financed through an Electronic Waste Recycling Fee (fee) paid by consumers at the point of retail sale of new covered electronic devices. Fees collected are used to administer the programs established by the Act, including the disbursement of recovery and recycling payments to approved collectors and recyclers of covered electronic waste (CEW).

CalRecycle has the responsibility to evaluate the program's revenue needs and adjust the fee levels as warranted to maintain fund solvency and ensure continued operation of the program. Pursuant to Public Resource Code 42464(f), no more frequently than annually, and no less frequently than biennially, CalRecycle shall review at a public hearing the covered electronic waste recycling fee and shall make any adjustments to the fee to ensure that there are sufficient revenues in the account to fund the CEW recycling program established pursuant to the Act.

CalRecycle must make necessary determinations regarding the fee by the statutory date of August 1. Any changes would become effective the following January.

The existing regulations set forth in Title 14 of the California Code of Regulations (CCR), section 18660.40 will expire on September 24, 2018, thereby creating a regulatory lapse from September 25, 2018 through December 31, 2018. CalRecycle intends to re-adopt the current fee assignments, as detailed below, thereby avoiding any regulatory lapse.

The current fee assignments are as follows:

- **Five dollars (\$5)** for each covered electronic device with a screen size greater than 4 inches but less than 15 inches measured diagonally.
- **Six dollars (\$6)** for each covered electronic device with a screen size greater than or equal to 15 inches but less than 35 inches measured diagonally.
- **Seven dollars (\$7)** for each covered electronic device with a screen size greater than or equal to 35 inches measured diagonally.

Covered electronic devices are defined by statute as video display devices with a screen size greater than four inches that are identified by the Department of Toxic Substances Control (DTSC) after testing determines that they are hazardous when disposed. Currently, covered electronic devices include:

- Cathode ray tubes (CRT) and CRT-containing devices (including CRT televisions and computer monitors);
- Liquid Crystal Display (LCD) containing televisions and monitors;
- Laptop computers containing LCD screens;
- Gas plasma display televisions; and
- Personal DVD players.

Monies paid by consumers are remitted by retailers to the Board of Equalization (BOE) and deposited in the Electronic Waste and Recovery and Recycling Account (EWRRA). The EWRRA was established by the Act within the Integrated Waste Management Fund. While the EWRRA is used to pay for the specific program operations of CalRecycle, DTSC, BOE, and some State Controller's Office (SCO) payment services, the vast majority of expenditure demand comes from electronic waste recycling payment claims submitted by recyclers.

Pursuant to PRC 42464(f), no more frequently than annually, and no less frequently than biennially, CalRecycle has the responsibility to assess the adequacy of the covered electronic waste recycling fee to generate sufficient revenues to fund the operation and administration of the covered electronic waste (CEW) recycling program and all other provisions of the Act.

CalRecycle must consider:

- How much expenditure demand can be expected in the near-future?
- How much revenue is necessary to ensure continued program solvency?
- What are covered electronic device sales projections?
- How should any changes in the fee be structured to best achieve adequate and stable revenue levels?

Revenue and Expenditures

California's covered electronic waste recovery and recycling payment system is financed through a fee that is assessed on the retail sale of covered electronic devices. The fee level was initially set via the Act at \$6, \$8, and \$10, depending on the screen size of the device. In early 2008, it was projected that payment claim demands would exceed revenue and exhaust the existing fund balance at some point in FY 2008/09. These projections were based on the historical pace of program growth, the original recovery and recycling payment rates, and the level of revenue anticipated from new device sales trends. In response, the California Integrated Waste Management Board (CIWMB) acted in June 2008 to adjust upward the consumer fee levels, pursuant to statutory provisions, to a new range of \$8, \$16, and \$25, aligned with the existing three-tiered screen size structure. This adjustment was determined to be appropriate at the time based on historical growth in claim volumes submitted by recyclers.

Until mid-2008, the program had been growing at the average rate of an additional four million pounds of CEW claimed each quarter. However, contrary to the continued growth that was factored into predicting revenue need for the 2008 fee adjustments, CEW claim volumes began fluctuating after peaking in first quarter 2009. Ultimately CEW volumes settled into a variable plateau, with even an occasional slight decrease. Please refer to Attachment 2 for a graphic depiction of historical quarter-to-quarter program volumes and a brief discussion of factors affecting CEW recovery and recycling volumes. As a result of revenues outpacing the

expenditures of the program, CalRecycle restored the fee levels to the original \$6, \$8, \$10 fee structure which became effective January 1, 2011. The following year, CalRecycle completed the statutorily mandated assessment of the fund and found that reducing the original fee structure by 50% would allow CalRecycle to continue program operation while drawing down the excess fund balance. The \$3, \$4, and \$5 fee levels became effective January 1, 2013.

Based on continuing sufficient funds, CalRecycle made no fee adjustments in 2014. However, with declining revenues CalRecycle did act in 2016 to increase fee levels to \$5, \$6, and \$7 depending on device screen size. This fee became effective January 1, 2017.

Since January 2005, CalRecycle has received more than 3,560 claims totaling approximately \$917 million. This represents the recovery and recycling of approximately 2.15 billion pounds of CEW. CalRecycle projects approximately 160 million pounds of CEW will be claimed annually during the next several years.

In order to maintain sufficient fund balance in the EWRRA, CalRecycle recommends maintaining the existing \$5, \$6, \$7 fee structure.

Historical and projected program revenues are as follows:

- FY 2004/05: ~\$ 31,000,000
- FY 2005/06: ~\$ 78,000,000
- FY 2006/07: ~\$ 80,000,000
- FY 2007/08: ~\$ 77,000,000
- FY 2008/09: ~\$ 108,000,000
- FY 2009/10: ~\$ 175,808,000
- FY 2010/11: ~\$ 156,278,000
- FY 2011/12: ~\$ 110,242,000
- FY 2012/13: ~\$ 86,884,000
- FY 2013/14: ~\$ 54,148,000
- FY 2014/15: ~\$ 59,367,000
- FY 2015/16: ~\$ 62,292,000
- FY 2016/17: ~\$ 76,696,000 (Projected with current fee structure)
- FY 2017/18: ~\$ 94,693,000 (Projected with current fee structure)

Fee Levels: Maintaining Solvency

As CalRecycle administers the financial aspects of the CEW payment system, it is obligated to maintain a fund balance that allows it to make recovery and recycling payments, as well as to provide funding for its own program specific operations and certain operations of both DTSC and BOE. CalRecycle has the authority and responsibility to revisit and revise fee levels annually, as warranted, to maintain adequate funds in the EWRRA. If CalRecycle maintains the existing fee levels, the next opportunity to make adjustments will be on or before August 1, 2018.

CalRecycle's specific authority is contained in Public Resources Code section 42464(f):

"On or before August 1, 2005, and, thereafter, no more frequently than annually, and no less frequently than biennially, the board (CalRecycle), in collaboration with the department (DTSC), shall review, at a public hearing, the covered electronic waste recycling fee and shall make any adjustments to the fee to ensure that there are sufficient revenues in the account to fund the covered electronic waste recycling program established pursuant to this chapter. Adjustments to the fee that are made on or before August 1, shall apply to the calendar year beginning the following January 1. The board shall base an adjustment of the covered electronic waste recycling fee on both of the following factors:

(1) The sufficiency, and any surplus, of revenues in the account to fund the collection, consolidation, and recycling of covered electronic waste that is projected to be recycled in the state.

(2) The sufficiency of revenues in the account for the board and the department to administer, enforce, and promote the program established pursuant to this chapter, plus a prudent reserve not to exceed 5 percent of the amount in the account."

As noted earlier in this document, the current level of CEW recycling payment claim demands compared to annual revenues and existing reserves suggest that the current fee structure is sufficient for resources to continue program operation at this time.

Additional Factors in Reserve and Fee Considerations

The Governor's Budget for FY 2017/18 indicates a starting reserve balance in the EWRRA of approximately \$77 million and an ending reserve balance of approximately \$64 million, assuming current revenue and expenditure rates. As a part of the FY 2010/11 Governor's Budget, \$80 million dollars was loaned from the EWRRA reserve to the General Fund. An additional \$27 million was loaned that same fiscal year through Chapter 13/2011. These outstanding loans have been repaid in full in 2015/16 Fiscal Year, and have been factored into the fund balance in the Governor's Budget, and for the purposes of the evaluation of the electronic waste recycling fee.

The Mechanics of Adjusting Fee Levels

CalRecycle has the authority to adjust, pursuant to timeframes and considerations contained in statute, the fee assessed on consumers. Adjustments to the fee would be considered regulations under the Administrative Procedures Act (APA). CalRecycle has authority to make such adjustments pursuant to an emergency rulemaking. Public Resources Code Section 42475.2 grants CalRecycle the authority to promulgate all regulations under the Act as emergency regulations that remain in effect for two years. This timeframe will allow any fee changes to remain in effect until the next time CalRecycle is authorized to revisit and revise them.